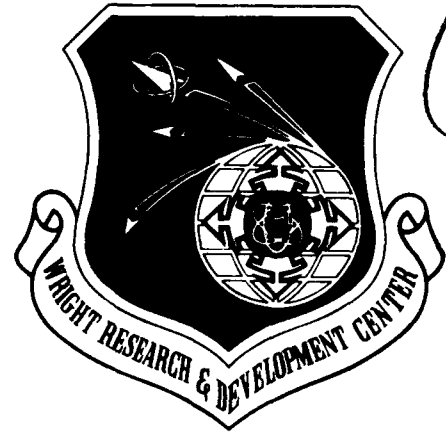


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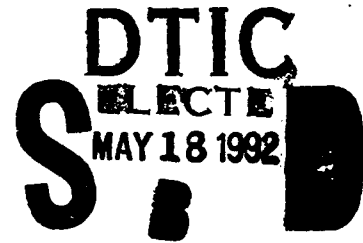
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Volume III
Part 15



INTEGRATED INFORMATION SUPPORT SYSTEM (IISS)
Volume III - Configuration Management
Part 15 - Software Release Bulletin

M. Apicella, C. Hedge

Control Data Corporation
Integration Technology Services
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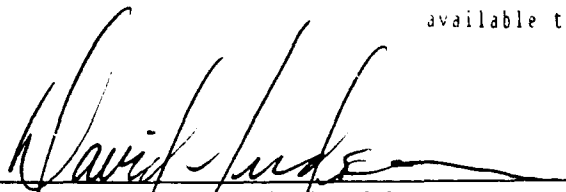
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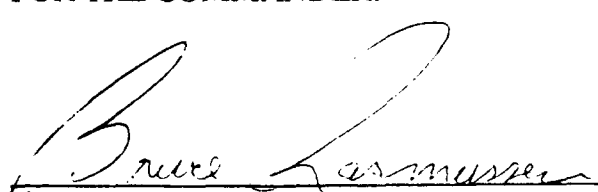
This technical report has been reviewed and is approved for publication.

This report is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.


DAVID L. JUDSON, Project Manager
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25 July 91
DATE

FOR THE COMMANDER:


BRUCE A. RASMUSSEN, Chief
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25 July 91
DATE

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FOREWORD

This technical report covers work performed under Air Force Contract F33600-87-C-0464, DAPro Project. This contract is sponsored by the Manufacturing Technology Directorate, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio. It was administered under the technical direction of Mr. Bruce A. Rasmussen, Branch Chief, Integration Technology Division, Manufacturing Technology Directorate, through Mr. David L. Judson, Project Manager. The Prime Contractor was Integration Technology Services, Software Programs Division, of the Control Data Corporation, Dayton, Ohio, under the direction of Mr. W. A. Osborne. The DAPro Project Manager for Control Data Corporation was Mr. J. P. Maxwell.

The DAPro project was created to continue the development, test, and demonstration of the Integrated Information Support System (IISS). The IISS technology work comprises enhancements to IISS software and the establishment and operation of IISS test bed hardware and communications for developers and users.

The following list names the Control Data Corporation subcontractors and their contributing activities:

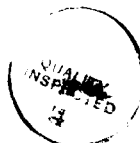
<u>SUBCONTRACTOR</u>	<u>ROLE</u>
Control Data Corporation	Responsible for the overall Common Data Model design development and implementation, IISS integration and test, and technology transfer of IISS.
D. Appleton Company	Responsible for providing software information services for the Common Data Model and IDEF1X integration methodology.
ONTEK	Responsible for defining and testing a representative integrated system base in Artificial Intelligence techniques to establish fitness for use.
Simpact Corporation	Responsible for Communication development.
Structural Dynamics Research Corporation	Responsible for User Interfaces, Virtual Terminal Interface, and Network Transaction Manager design, development, implementation, and support.
Arizona State University	Responsible for test bed operations and support.

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SECTION 1

INTRODUCTION

The Integrated Information Support System (IISS) has been updated to Release 3.0. This IISS release supports the VAX using VMS and an IBM using MVS.

1.1 Organization

Information for the installation process is contained in sections 2 and 3. The remainder of this document is organized into sections that discuss significant problems and provide notes and cautions regarding each product feature. Please refer to the Software Availability Bulletin, Publication Number SAB620326000, for a description of each new feature and enhancement for this release.

1.2 Installation Overview

The term "installation" refers to either the initial installation of IISS or to a system upgrade.

To perform an installation of IISS, you first should read the appropriate installation chapters contained in this Software Release Bulletin (SRB) and the sections associated with any of the modules that you are installing. The VAX and/or IBM installation manuals also must be read.

1.3 Preparing for Installation

Before you begin any type of IISS installation, you should

- o Familiarize yourself with the installation utilities,
- o Read this release bulletin, and
- o Check your hardware and system software for required levels.

SECTION 2

INITIAL INSTALLATION

The required information and instructions for the complete installation of IISS Release 3.0 on a VAX VMS system is contained in the VAX Installation Guide, Publication No. OM 620324001. The required information and instructions for the installation of this release on a IBM MVS system is contained in the IBM Installation Guide, Publication No. OM 620324002.

SECTION 3

UPGRADE INSTALLATION

Currently, the method of partially upgrading an existing IISS installation has not been defined. All previously installed IISS releases up through Release 2.3 must be replaced entirely by Release 3.0. It is the responsibility of the installing organization to delete all pre-release 3.0 IISS programs, tools, and release-specific references prior to installing IISS Release 3.0.

SECTION 4

COMMON DATA MODEL GENERAL

4.1 Significant Problems

None.

4.2 Notes and Cautions

ORACLE Patch Tape 530, ORACLE 5.1, fixes the software problem associated with the "Current of Cursor" statement. The "Current of Cursor" statement is generated by the NDML precompiler when the NDML statement "Delete ... using" or "Modify ... using" is encountered. If this patch has not been installed on your system, the "Current of Cursor" statement will not function.

SECTION 5

NDDL PROCESSOR

5.1 Significant Problems

None.

5.2 Notes and Cautions

Notes: None.

Caution: None.

SECTION 6

NDML PRECOMPILER

6.1 Significant Problems

None.

6.2 Notes and Cautions

Notes: None.

Caution: Only one user can execute a precompile at a time. If more than one user attempts a precompile in the same time frame, each user's temporary file may contain incorrect data.

SECTION 7

QUERY PROCESS GENERATOR

7.1 Significant Problems

None.

7.2 Notes and Cautions

None.

SECTION 8

CS/ES TRANSFORMER

8.1 Significant Problems

None.

8.2 Notes and Cautions

None.

SECTION 9

CDM MAINTENANCE UTILITIES

9.1 Significant Problems

None.

9.2 Notes and Cautions

Note: With the following exception, the CDM supports all other constructs for IDEF1X:

1. The enforcement rule of migrating only the primary key.

Cautions: None.

SECTION 10

USER INTERFACE GENERAL

10.1 Significant Problems

None.

10.2 Notes and Cautions

Notes: None.

Cautions:

Business Graphics

Graph positions may be mispositioned slightly, because of a rounding error.

Also, graphs in windows are not positioned correctly.

If you are using a Tektronix 4100 terminal, you may notice extra characters appearing on the screen at the start of a session, these soon will go away.

These graph problems are scheduled to be corrected with the next release.

SECTION 11

USER INTERFACE TEXT EDITOR

11.1 Significant Problems

None.

11.2 Notes and Cautions

None.

SECTION 12

USER INTERFACE REPORT WRITER

12.1 Significant Problems

None.

12.2 Notes and Cautions

None.

SECTION 13

USER INTERFACE RAPID APPLICATION GENERATOR

13.1 Significant Problems

None.

13.2 Notes and Cautions

None.

SECTION 14

FORM DEFINITION LANGUAGE COMPILER

14.1 Significant Problems

None.

14.2 Notes and Cautions

None.

SECTION 15

USER INTERFACE SERVICES

15.1 Significant Problems

None.

15.2 Notes and Cautions

None.

SECTION 16

FORMS PROCESSOR

16.1 Significant Problems

None.

16.2 Notes and Cautions

Notes: None.

Cautions:

1. A field does not "blink" if there is a domain error and the "must enter" domain is implied by the "must fill" domain on input fields.

2. If a runtime error occurs that involves the "expression" of a SET statement, no indication of this error is shown on the form; an example of this type of error would be a character expression that is too large to fit in the target field.

3. Occasionally, a calculated graph field will not be recon-printed.

4. The Form Processor will not recognize a function key action if the cursor is in a graph field.

These cautionary items will be resolved with the next release of IISS.

SECTION 17

APPLICATION INTERFACE

17.1 Significant Problems

None.

17.2 Notes and Cautions

None.

SECTION 18

MONITOR

18.1 Significant Problems

None.

18.2 Notes and Cautions

None.

SECTION 19

MESSAGE PROCESSING UNIT

19.1 Significant Problems

None.

19.2 Notes and Cautions

None.

SECTION 20

NTM SERVICES

20.1 Significant Problems

None.

20.2 Notes and Cautions

When the NTM is brought down, disabled, on the IBM, an A13 system error occurs and other system errors are generated. These errors are unavoidable, but they do not affect the operation of the NTM or IISS.

SECTION 21

FILE I/O PRIMITIVES

21.1 Significant Problems

None.

21.2 Notes and Cautions

None.

SECTION 22

UIS REVERSE VIRTUAL TERMINAL INTERFACE
FOR IMS/DC

22.1 Significant Problems

The Reverse VTI has been removed from this release,
because the NIM support coordination with IMS currently is not
available.

SECTION 23

COMMUNICATIONS

23.1 Significant Problems

None.

23.2 Notes and Cautions

A communications protocol converter with firmware is used on the Air Force test bed to emulate an IBM 3270. Because of the test bed's configuration, the baud rate is 300 bps. Future releases and other configurations will provide increased baud rates.

SECTION 24

MISCELLANEOUS

24.1 Significant Problems

None.

24.2 Notes and Cautions

None.